

FARM TOPICS

DEPLETED SOILS NEED MINERALS

Plants Require Phosphorus, Potash, Nitrogen.

By DR. C. E. MILLAR
(Professor of Soil, Michigan State College)

Man is separated from starvation only by the frail fabric of the green coloring matter in plants called chlorophyll. It is only the green plant, energized by light, that can combine the simple materials of nature, such as carbon dioxide of the air, water, and mineral salts from the soil into the complex substances that serve as food for man and beast.

The wants of plants are comparatively few, but it behooves man to supply them lest the plant factory fail. Natural agencies, dependent on life processes, maintain an adequate supply of carbon dioxide in the air, and as long as the life cycle persists, plants will not lack for this building material. Water, too, is supplied by a generous nature in sufficient quantities to extensive areas and by irrigation to more acres more. But how about the supply of mineral salts from the soil? That is where the pinch comes and gives man his opportunity to play the good Samaritan.

Soil particles, largely rock fragments, decay slowly, setting free the mineral nutrients needed by plants. This decay process is slow, entirely too slow to meet plant requirements. Nature overcomes this obstacle by storing available nutrients in the soil through long periods of virginity during which forests or grasses occupy the land. In such a period each plant generation returns to the soil the foods it took from the soil.

Man introduced a new order of events by removing from the soil the crops grown and fattening himself and his animals on the food contained in them. Under this system, the accumulated supply of available mineral nutrients is rapidly dissipated and the crops cry out for potash, phosphoric acid, and nitrogen.

Only the experienced hear these cries for they are voiced in weak-end stems, distorted and discolored leaves, stunted growth, and decreased yields of food and fiber.

Attention has been centered largely on the three plant nutrients—nitrogen, phosphoric acid, and potash. Virtually every soil used in farming needs additional supplies of one or more of them. Most all fertilizers also contain appreciable quantities of calcium and sulphur and lesser amounts of several other elements which are used by plants.

Scientists Sterilize Soil

With Electrical Device

Scientists at the Cornell university agricultural experiment station are "pasteurizing" soils with electricity to rid these soils of insect pests and weed seeds.

Soils that have become unproductive are thus made productive, as have districts or districts the soil. Many growers of flowers and vegetables who do not have equipment to steam-sterilize find that limited quantities of soil can be "pasteurized" with electrical devices, according to Prof. A. G. Newhall. Fahrenheit was found high enough to insure the death of all important disease organisms and most weed seeds.

Soil in greenhouse benches and ground beds was brought up to pasteurization temperature with a series of buried portable pipe-type heaters. Successful use was also made of an electric daisy-wheel steamer to pasteurize soil in flats or trays.

Danger from over-heating soil is reduced to a minimum by the new low temperature electric pasteurization methods.

Value of Silage

A simple rule and one that works out pretty well is to consider silage worth one-half the value of good legume hay. Silage that runs 10 tons to the acre must make about 50 bushels, therefore 1 ton of silage should be worth 5 bushels of corn plus 300 pounds of hay. With corn at 75 cents a bushel and hay at \$15 a ton, good silage would be worth about \$8 a ton.

Tomatoes Valuable

One medium-sized ripe tomato supplies about half the day's requirement of vitamin C, and about one-fifth the vitamin A requirement of one person.

Farm Notes

Hay crop seed production is about 10 per cent above any recent year except 1938 and 1939.

The number of farms served by electric light and power companies in the United States increased 98 per cent during the years 1932 to 1939, from about 715,000 to more than 1,400,000 farms.

Hollywood News Events

Hollywood, Jan. 14.—Rev. C. A. Collins Jr. filled his regular appointment at Hollywood Sunday and preached a very inspiring sermon.

This community was saddened to hear of the death of Robert Wilkerson, of Buckingham last week.

The Rev. and Mrs. C. A. Collins, Mrs. Rosa Webb and daughter, Odelle, and Monroes and Donald Webb and Miss Blanche McConchie were dinner guests of Mr. and Mrs. Harry Jenkins recently.

We regret to lose so many of our neighbors. Lee Ferguson moved to Appomattox this week and Mr. and Mrs. Taylor moved to Rose Bower.

Mr. and Mrs. Joe Thompson, of Jacksonville visited Mr. and Mrs. D. L. Smith Sunday night.

Born to Mr. and Mrs. D. Taylor January 9th a fine baby boy.

Mr. and Mrs. Joe Dixon visited Mr. and Mrs. G. P. Beasley Sunday.

Misses Mary Covington and Dorothy Beasley visited K. H. Franklin Sunday afternoon.

Mr. and Mrs. Richard Webb called on Miss Ada Ferguson Sunday evening.

L. H. Watson, Robert Cawhorn and David Ferguson are working at Denbigh.

Oakville News

And Personals

Oakville, Jan. 14.—Mrs. O. W. Martin and daughter, Ellen, are in bed with flu. David is just able to be out.

Mrs. Harry Lucado is out after a recent spell of sickness.

Mr. and Mrs. Lucado and family spent Sunday with Mrs. Daisy Rogers.

Mr. and Mrs. Ned Burns spent Sunday with Mrs. Daisy Rogers.

Miss Vivian Clarke spent Thursday night in the home of Mrs. Foster Callett.

Mr. and Mrs. Lewis Doss gave an oyster supper Saturday night.

A birthday party was given Wednesday night in the home of Mrs. Tom Page, honoring Paul ("Pete") Doss.

Addie Lucado spent Wednesday night with Barbara Smith.

Mr. and Mrs. W. A. Owen and son and Miss Abbott, of Concord, spent Sunday in the home of T. E. Owen.

Mrs. Edd Marsh is ill.

Miss Gladys Coleman, of Lynchburg spent the week end with her parents.

Mr. and Mrs. Herman Harding and family visited in the home of J. I. Moore Sunday.

Mr. and Mrs. Carl Martin and Miss Katie Reynolds, of Lynchburg, visited in the home of Mrs. T. Raymond Martin Sunday.

Those visiting in the home of Sidney Martin Sunday were: Mr. and Mrs. William Burdette and daughter and Mr. and Mrs. Taylor Coleman and son.

Local merchants will be glad to handle your country produce.

Plenty of free parking space in Appomattox.

We welcome local news items. Appomattox looks forward to a big business year in 1941.

Play safe—drive carefully.

Professor Helps Settle 1,400 Labor Disputes

Maybe he is not the champion peace-maker of the country, but Dr. George W. Taylor of Philadelphia is an associate professor of industry at the Wharton school and arbitrator-panels in the textile industry, particularly in the cotton textile industry.

During the last 12 years, Dr. Taylor, impartial chairman in union contracts with more than 300 manufacturers, has been instrumental in settling more than 1,400 labor disputes without a major strike.

Convinced that an honest, comprehensive presentation of the facts involved will always narrow a gap of variance to a point where a strike is unnecessary, he enters the hearings to which he is called armed with all the facts he can assemble.

The result, he says, is true collective bargaining, or "collective negotiation," as he prefers to call it, instead of "collective arguing."

Among the plants holding contracts under which Dr. Taylor serves as impartial chairman are 100 heavy mills throughout the country, including a large number in Reading, where he has become interested.

There have been no strikes in those 100 mills during the 12 years the contracts have been in force.

Dr. Taylor is chairman of the industry industry committee set up under the fair labor standards act and helped to establish minimum wages for that industry.

He also is a research associate in the Wharton school's industrial research department, which has been developed as an ally of business and industry.

Model Penal Law Offered For Correcting Offender

Making the punishment fit the crime rather than the crime is descriptive of the method by which the American Law Institute proposes to meet the problem of offenders, according to William Draper Lewis, Philadelphia, director of the institute, who recently addressed the National Industrial Conference in Grand Rapids, Mich.

Credit for formulating the model youth correction authority act, which the institute will urge state legislatures to adopt, was given largely to Prof. John B. Waite of the University of Michigan law school.

The proposal starts with the contention that rehabilitative punishment has failed to check crime. It insists that the criminal career can be halted at its start.

The character of the offender rather than the nature of his offense is to determine the period of his imprisonment. Thus, Lewis pointed out, a mental defective might be kept within an institution for the rest of his life on being convicted of a relatively minor offense, while a second individual capable of making a speedy social adjustment might win early release though guilty of a serious crime.

Autogiro Rises Vertically

Officials of the Pilegrim Autogiro company of Willow Grove, Pa., claim a new advance in aviation history as a result of a successful demonstration of vertical ascent by an autogiro. Product of three years' secret experimentation, the all-metal ship named the Whirl Wing, rose vertically 20 feet and "grass-hopper jumped" over a line stretched between two poles about 15 feet high.

The "jump takeoff" was witnessed by aviation experts, company officials and newsmen. The propeller of the 2,000-pound plane spun at an easy rate, the long rotor blades atop the ship began twirling. Then the propeller and rotors were speeded up and suddenly the ship jumped from the ground headed into a steep climb and flew away. The craft can land in the same manner.

One Correction Needed

A Chicago writer was telling the other day how a magazine accepted a manuscript of his, in the early days of his writing career, promising payment on publication. At the end of seven years, having heard nothing more, the writer asked his agent, who, in turn, asked the editors. Back came a jolty rebuke.

"Tell Mr. M," it said, "not to be impatient." It recalled, the writer went on, the case of the young magazine and found, in a pigeonhole, an article he liked very much. He wrote the author, a minister, to thank him for the timely and important words. "I'm glad you are finally publishing it," said the minister's reply, "but would suggest one change. Where I refer to myself as the father of two children, please make it say 'six'."

Open January 10, 1939

The tea-market-expansion bureau in London recently put away in a safe place a package of English tea marked "Not to be opened until January 10, 1939," in order to show posterity what the Englishman of a century earlier drank, according to the Engineering and Mining Journal.

Courtesy Nation's Business

Don't forget your Alka-Seltzer

Alka-Seltzer

Alka-Seltzer

Alka-Seltzer

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Alka-Seltzer

Alka-Seltzer

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Alka-Seltzer

Forest View

Forest View, Jan. 14.—Mrs. J. A. Martin is something better off after suffering with blood poisoning in her hand for several weeks.

N. D. Marshall is not so well at the writing. They had all of their children with them during the holidays.

Mr. and Mrs. W. C. Lee visited in the home of Mr. and Mrs. J. A. Martin Sunday.

Mr. and Mrs. John Marshall have moved from Baltimore, Md., near Richmond. They are now visiting in the home of his parents, Mr. and Mrs. N. D. Marshall.

Mrs. Elsie Moss spent a few days recently with Mrs. J. A. Martin.

Appomattox has two strong banks and can render you every sound banking service.

Appomattox is a growing town.

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ICE CREAM 15c

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Chas. F. James DRUGGIST APPOMATTOX, VA.

The Three Oldest Fire Insurance Companies In The World . . .

Are represented by J. A. Burke & Co., Appomattox, Va.

This Agency sells all forms of Insurance, including Fire, Automobile, Life and Surety Bonds

Phone 4902 Appomattox, Va.

Epidemic of Cold Symptoms

666 Liquid or 666 Tablets with 666 Salve or 666 Nose Drops generally relieves cold symptoms the first day (adv)

News copy must reach us by Wednesday of each week.

IN A CLASS BY ITSELF

RUMFORD BAKING POWDER

TRY IT TODAY

ITS HIGH QUALITY INSURES BETTER BAKING

FREE Send for free booklet, dozens of recipes, dozens of hints, dozens of ideas. Request booklet, R. E. Rumford, B. E.

THE BANK OF APPOMATTOX

ANNUAL COMPARATIVE FINANCIAL STATEMENT

Growing With And Serving Appomattox

The progress, and the goal, of man or institution may be judged by careful study of successive "footprints on the sands of time".

This annual comparative statement is one of the "footprints" this bank publishes each year, places current and comparative information where all may see the direction of our growth and measure our progress. Since December 31, 1936, our deposits have grown over \$162,000. We thank you for your part and cooperation in this growth.

RESOURCES Dec.30,1939 - Dec.31,1940

LIABILITIES Dec.30,1939 - Dec.31,1940

The Directors, Officers, and Staff of

This Bank Wish You A

Most Happy and Prosperous New Year

BANK OF APPOMATTOX

Member Federal Deposit Insurance Corporation

Home Of The Thrifty

Each Deposit Insured Up To \$5,000

Established 1901

Each Deposit Insured Up To \$5,000

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News Lettes From Stonewall

Stonewall, Jan. 14.—The Stonewall 4 H Club held its regular monthly meeting in the school Monday. Miss Edna Smith gave a demonstration on bedroom furnishings and dresser ward.

The Stonewall home demonstration club met Thursday afternoon in the home of Mrs. J. P. Alva. The project for the month was rug-making. The next meeting will be held with Mrs. S. P. Anderson.

Miss Margaret Stratton is able to return to school after being confined to her home for the past week with the flu.

Mr. and Mrs. Dewart Evans and children, of Sherwell spent Sunday with the latter's parents, Mr. and Mrs. J. P. Alva.

Misses Virginia Boyd and Nellie Turney, of Gladys, spent the week end in the home of Mr. and Mrs. O. R. Turney.

E. A. Perdue, of Spout Spring, spent Sunday in the home of H. D. Jennings.

Mrs. W. A. Perrow and son, Robert, of Sherwell spent Sunday with her father, R. L. Moore, who has been sick.

John Wheeler, of Washington is spending some time with his mother, Mrs. E. L. Wheeler.

Mr. and Mrs. Marvin Bryant, of Benson, N. C., visited Mr. and Mrs. Moll Perdue recently.

Mrs. O. R. Turney spent several days this week with Mrs. J. D. Johnston in Richmond and attended the mid year meeting of the board of the Centenary church.

Bills to give Britain more help presented to Congress.

News copy must reach us by Wednesday of each week.

Mrs. Sallie Binkley, of Appomattox was a recent guest of her niece, Mrs. John Gunter.

The B. Y. P. U. of Liberty Chapel church was entertaining in the home of Mr. and Mrs. W. T. Gunter on the evening of the 31st of December.

Harry Kinney, of New York was a guest of his brothers, Judson and Jeff, for the recent holidays.

Misses Edna and Wanda Austin, of Richmond, who visited relatives and friends in this community during the holidays, returned to their homes on the 2nd inst.

Miss Edna Mann, of Washington, D. C., spent the holidays with her parents, Mr. and Mrs. John A. Mann, of "Gladys" fall.

Mrs. F. K. MacIn has been sending some time recently with her daughter, Mrs. Dave Anderson, who resides in Richmond.

Mr. and Mrs. Lyle N. Garrett and Miss Christine Garrett, who left the 22nd of December for a Southern tour, returned the 14th inst.

Mr. and Mrs. Lyle N. Garrett, of Savannah and Atlanta, Ga., Miami and St. Augustine, Florida, and many other interesting places.

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SCHOOL DAYS

By DWIG

YOU'RE SPILLIN' IT! YOU'RE SPILLIN' IT! YOU'RE SPILLIN' IT! YOU'RE SPILLIN' IT! YOU'RE SPILLIN' IT!

MY GOD! THIS TUNIC'S HOT! GET OUT THE WAY!

BLACK CAT

PROMETHEUS

Know That You Look Your Best

Nothing will add more to your self assurance than immaculate cleanliness and pressed apparel. You can be guaranteed good appearance by having your clothes cleaned frequently by a good cleaner.

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LYNCHBURG, VA.

OPTOMETRIST - OPTICIAN

Eyes Examined - Glasses Fitted

Send Us Your Repair Work

PRESCRIPTION WORK

A SPECIALTY

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1107 MAIN ST.

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